NOTICE OF 30-DAY PERIOD
FOR PUBLIC COMMENT

Preliminary Findings Regarding the Renewal of a
Minor Source Operating Permit (MSOP)

for Jasper Engine Exchange, Inc. - Branch #70 in Dubois County

MSOP Renewal No.: M037-41777-00124

The Indiana Department of Environmental Management (IDEM) has received an application from Jasper Engine Exchange, Inc. - Branch #70, located at 1220 Power Drive, Jasper, Indiana 47547, for a new source review and renewal of its MSOP issued on December 19, 2014. If approved by IDEM’s Office of Air Quality (OAQ), this proposed permit would allow Jasper Engine Exchange, Inc. - Branch #70 to make certain changes at its existing source. Jasper Engine Exchange, Inc. - Branch #70 has applied to construct new degreasing units, plasma cutting operations, MIG welding operations, blasting units, and modify existing degreasing units.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g. changes that add or modify synthetic minor emission limits). IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

IDEM is aware that the six (6) blasting units, ten (10) MIG welding stations, and five (5) HVLP spray booths have been constructed and/or operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take appropriate action. This draft permit contains provisions to bring unpermitted equipment into compliance with construction and operation permit rules.

A copy of the permit application and IDEM’s preliminary findings are available at:

Jasper-Dubois County Public Library
1116 Main Street
Jasper, IN 47546

and

IDEM Southwest Regional Office
114 South 7th Street
P.O. Box 128
Petersburg, IN 47567-0128

A copy of the preliminary findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/.

A copy of the preliminary findings is also available via IDEM’s Virtual File Cabinet (VFC.) Please go to: http://www.in.gov/idem/ and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.
How can you participate in this process?

The date that this notice is posted on IDEM’s website ([https://www.in.gov/idem/5474.htm](https://www.in.gov/idem/5474.htm)) marks the beginning of a 30-day public comment period. If the 30th day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.

Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM’s mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number M037-41777-00124 in all correspondence.

**Comments should be sent to:**

Natalie Moore  
IDEM, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(800) 451-6027, ask for Natalie Moore or (317) 233-8279  
Or dial directly: (317) 233-8279  
Fax: (317) 232-6749 attn: Natalie Moore  
E-mail: nmoore@idem.IN.gov

All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: [http://www.in.gov/idem/airquality/2356.htm](http://www.in.gov/idem/airquality/2356.htm); and the Citizens’ Guide to IDEM on the Internet at: [http://www.in.gov/idem/6900.htm](http://www.in.gov/idem/6900.htm).

What will happen after IDEM makes a decision?

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM’s response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM’s decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, at the IDEM Regional Office indicated above, and the IDEM public file room on the 12th floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.
If you have any questions, please contact Natalie Moore of my staff at the above address.

[Signature]

Madhurima D. Moulik, Ph.D., Section Chief
Permits Branch
Office of Air Quality
Minor Source Operating Permit Renewal
OFFICE OF AIR QUALITY

Jasper Engine Exchange, Inc. - Branch #70
1220 Power Drive
Jasper, Indiana 47547

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

| Operation Permit No.: M037-41777-00124 |
| Master Agency Interest ID: 15001 |
| Issued by: Madhurima D. Moulik, Ph. D., Section Chief Permits Branch Office of Air Quality |
| Issuance Date: |
| Expiration Date: |
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SECTION A  SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1  General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary transmissions and related components manufacturing plant.

| Source Address: | 1220 Power Drive, Jasper, Indiana 47547 |
| General Source Phone Number: | (812) 482-1041 |
| SIC Code: | 3714 (Motor Vehicle Parts and Accessories) |
| County Location: | Dubois |
| Source Location Status: | Attainment for all criteria pollutants |
| Source Status: | Minor Source Operating Permit Program |

A.2  Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

(a) One (1) blasting unit, identified as BLA065, constructed in 2014, with a maximum capacity of 315 pounds per hour of aluminum oxide blast media, controlled by dust collector, DUC097, and exhausting indoors.

(b) Two (2) blasting units, identified as BLA009 and BLA041, each constructed in 2014, each with a maximum capacity of 182 pounds per hour of coal slag blast media, each controlled by dust collector, DUC097, and each exhausting indoors.

(c) Two (2) blasting units, identified as BLA061 and BLA091, each constructed in 2014, each with a maximum capacity of 108 pounds per hour of plastic bead blasting media, each controlled by dust collector, DUC098, and each exhausting indoors.

(d) One (1) blasting unit, identified as BLA018, constructed in 2014, with a maximum capacity of 182 pounds per hour of coal slag blast media, controlled by dust collector, DUC097, and exhausting indoors.

(e) Ten (10) blasting units, identified as BLA031, BLA032, BLA034, BLA037, BLA042, BLA057, BLA064, BLA069, BLA094, and BLA120, each constructed in 2014, each with a maximum capacity 12.5 pounds per hour of Armex blast media, each controlled by dust collector, DUC097, and each exhausting indoors.

(f) One (1) blasting unit, identified as BLA083, constructed in 2014, with a maximum capacity of 800 pounds per hour of steel shot blast media, controlled by dust collector, DUC098, and exhausting indoors.

(g) Six (6) blasting units, identified as BLA021, BLA125, BLA126, BLA127, BLA128, and BLA129, each constructed in 2016, each with a maximum capacity of 12.5 pounds per
hour of Armex blast media, each controlled by dust collector DUC098, and each exhausting indoors.

(h) One (1) parts soda blaster, identified as BLA149, permitted in 2018, with a maximum usage rate of 12.5 pounds of soda blast medium, using dust collector DUC098 as particulate control, and exhausting indoors.

(i) Six (6) blasting units, identified as BLA137, BLA142, BLA143, BLA144, BLA145, and BLA147, each constructed in 2019, each with a maximum capacity of 12.5 pounds per hour of Armex blast media, each using dust collector DUC097 as control, and each exhausting indoors.

(j) Twenty-six (26) degreasing units, each constructed in 2014, including:

1. ADJ015 with a maximum throughput of 9 gallons per year.
2. CLT095 with a maximum throughput of 45 gallons per year.
3. CLT157 with a maximum throughput of 5 gallons per year.
4. CLT158 with a maximum throughput of 416 gallons per year.
5. CLT210 with a maximum throughput of 120 gallons per year.
6. CLT312 with a maximum throughput of 120 gallons per year.
7. CLT341 with a maximum throughput of 120 gallons per year.
8. CLT345 with a maximum throughput of 520 gallons per year.
9. CLT131 with a maximum throughput of 650 pounds per year.
10. CLT186 with a maximum throughput of 300 pounds per year.
11. CLT188 with a maximum throughput of 300 pounds per year.
12. CLT190 with a maximum throughput of 650 pounds per year.
13. CLT191 with a maximum throughput of 1300 pounds per year.
14. CLT193 with a maximum throughput of 300 pounds per year.
15. CLT194 with a maximum throughput of 650 pounds per year.
16. CLT195 with a maximum throughput of 100 pounds per year.
17. CLT202 with a maximum throughput of 1300 pounds per year.
18. CLT222 with a maximum throughput of 300 pounds per year.
19. CLT232 with a maximum throughput of 300 pounds per year.
20. CLT255 with a maximum throughput of 390 pounds per year.
21. CLT275 with a maximum throughput of 325 pounds per year.
(22) CLT298 with a maximum throughput of 650 pounds per year.
(23) CLT299 with a maximum throughput of 1300 pounds per year.
(24) CLT307 with a maximum throughput of 650 pounds per year.
(25) CLT308 with a maximum throughput of 1300 pounds per year.
(26) CLT311 with a maximum throughput of 600 pounds per year.

(k) Eighteen (18) degreasing units, each constructed in 2019, including
   (1) CLT352 with a maximum throughput of 120 gallons per year.
   (2) ADJ073 with a maximum throughput of 2,400 pounds per year.
   (3) ADJ074 with a maximum throughput of 2,400 pounds per year.
   (4) ADJ105 with a maximum throughput of 2,400 pounds per year.
   (5) ADJ106 with a maximum throughput of 2,400 pounds per year.
   (6) ADJ069 with a maximum throughput of 19 gallons per year.
   (7) ADJ103 with a maximum throughput of 182 gallons per year.
   (8) CLT035 with a maximum throughput of 180 gallons per year.
   (9) CLT064 with a maximum throughput of 234 pounds per year.
   (10) CLT179 with a maximum throughput of 650 pounds per year.
   (11) CLT183 with a maximum throughput of 325 pounds per year.
   (12) CLT231 with a maximum throughput of 650 pounds per year.
   (13) CLT242 with a maximum throughput of 650 pounds per year.
   (14) CLT316 with a maximum throughput of 60 pounds per year.
   (15) CLT324 with a maximum throughput of 325 pounds per year.
   (16) CLT329 with a maximum throughput of 50 pounds per year.
   (17) CLT367 with a maximum throughput of 208 gallons per year.
   (18) TAN177 with a maximum throughput of 1,800 pounds per year.

(l) One (1) degreaser, identified as CLT350, permitted in 2018, modified in 2019, with a maximum usage rate of 520 gallons of solvent per year.

(m) One (1) degreasing unit, identified as CLT185, constructed in 2014, modified in 2019, with a maximum throughput of 260 gallons of solvent per year.

(n) Degreasing units, each with no VOC emissions, identified as follows:
(1) ADJ070 with a maximum throughput of 104 gallons per year.
(2) ADJ075 with a maximum throughput of 140 gallons per year.
(3) ADJ080 with a maximum throughput of 104 gallons per year.
(4) CLT063 with a maximum throughput of 104 gallons per year.
(5) CLT084 with a maximum throughput of 260 gallons per year.
(6) CLT306 with a maximum throughput of 288 gallons per year.
(7) CLT363 with a maximum throughput of 15 gallons per year.
(8) PSW021 with a maximum throughput of 20 pounds per year.
(9) PSW028 with a maximum throughput of 20 pounds per year.
(10) PSW029 with a maximum throughput of 20 pounds per year.
(11) PSW031 with a maximum throughput of 20 pounds per year.
(12) PSW040 with a maximum throughput of 20 pounds per year.
(13) PSW042 with a maximum throughput of 20 pounds and 25 gallons per year.
(14) PSW043 with a maximum throughput of 20 pounds per year.
(15) TAN199 with a maximum throughput of 390 gallons per year.
(16) TANXXX with a maximum throughput of 371 gallons per year.

(o) One (1) HVLP spray booth, identified as Transmission Paint Booth PTB019, constructed in 2014, with a maximum capacity to surface coat fifteen (15) transmissions per hour using 0.04 gallons of coating per transmission, equipped with dry filters for overspray control, and exhausting to stack, PTB019.

(p) One (1) HVLP spray booth, identified as Converter Paint Booth PTB007, constructed in 2014, with a maximum capacity to surface coat twenty (20) converters per hour using 0.01 gallons of coating per converter, equipped with dry filters for overspray control, and exhausting to stack, PTB007.

(q) One (1) HVLP spray booth, identified as Differential Paint Booth PTB018, constructed in 2014, with a maximum capacity to surface coat 4 differentials per hour using 0.04 gallons of coating per differential, equipped with dry filters for overspray control, and exhausting to stack, PTB018.

(r) One (1) HVLP spray booth, identified as Converter Paint Booth PTB021, constructed in 2016, with a maximum capacity to surface coat twenty (20) converters per hour using 0.01 gallons of coating per converter, equipped with dry filters for overspray control, and exhausting to stack, PTB021.

(s) One (1) HVLP spray booth, identified as SD Paint Booth PTB022, constructed in 2016, with a maximum capacity to surface coat one (1) Stern Drive housing per hour using 0.03 gallons of coating per Stern Drive housing, equipped with dry filters for overspray control, and exhausting to stack, PTB022.
(t) Nine (9) electric engine test stands.

(u) Three (3) electric heaters.

(v) Twenty-nine (29) direct-fired, natural gas-fired space heaters, constructed in 2014, uncontrolled, and exhausting indoors, as follows:

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<tr>
<th>Emission Unit</th>
<th>Heat Input Capacity (MMBTU/hr)</th>
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<td>ACH701</td>
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(w) Ten (10) MIG welding stations, identified as WEL042, WEL051, WEL056, WEL073, WEL080, WEL082, WEL116, WEL121, WEL159, and WEL136, constructed in 2014, with a combined maximum capacity to consume 9 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(x) Eight (8) TIG welding stations, identified as WEL037, WEL050, WEL076, WEL097, WEL118, WEL172, WEL174, and WEL204, constructed in 2014, with a combined
maximum capacity to consume 0.3 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(y) One (1) sub arc welding station, identified as WEL083, constructed in 2014, with a maximum capacity of 9 pounds per hour, uncontrolled and exhausting indoors.

(z) One (1) plasma cutting operation, identified as WEL142, constructed in 2014, with a maximum capacity to cut a metal thickness of 0.75 inches at a rate of 1 inch per minute, uncontrolled and exhausting indoors.

(aa) One TIG welding station, identified as WEL137, permitted in 2018, with a maximum usage rate of 1.5 pounds per hour of electrode, and exhausting indoors.

(bb) Ten (10) MIG welding stations, identified as WEL162, WEL170, WEL176, WEL180, WEL182, WEL190, WEL191, WEL192, WEL196, and WEL213, constructed in 2019, with a maximum capacity to consume 9 pounds of welding wire per hour each, uncontrolled, and exhausting indoors.

(cc) Two (2) plasma cutting operations, identified as WEL163 and WEL210, constructed in 2019, with a maximum capacity to cut a metal thickness of 0.75 inches at a rate of 1 inch per minute, uncontrolled, and exhausting indoors.
SECTION B  GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, M037-41777-00124, is issued for a fixed term of ten (10) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.
B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

The Permittee shall implement the PMPs.

(b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee’s control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:
The Permittee shall implement the PMPs.

(c) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.

(d) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to M037-41777-00124 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,
(2) revised, or
(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee’s right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source’s existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and
(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source’s failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.15 Inspection and Entry

[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee’s premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ.

(b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.18 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.
SECTION C  SOURCE OPERATION CONDITIONS

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

C.1 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).
C.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

(b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:

1. When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or

2. If there is a change in the following:
   - Asbestos removal or demolition start date;
   - Removal or demolition contractor;
   - Waste disposal site.

(c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).

(d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project.

(e) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
(g) Indiana Licensed Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Licensed Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Licensed Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.7 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.8 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.9 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.10 Instrument Specifications [326 IAC 2-1.1-11]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. The analog instrument shall be capable of measuring values outside of the normal range.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.
Corrective Actions and Response Steps

C.11 Response to Excursions or Exceedances

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;
(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or
(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;
(2) review of operation and maintenance procedures and records; and/or
(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.12 Actions Related to Noncompliance Demonstrated by a Stack Test

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.
C.13 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, startups or shutdowns of any emission unit or emission control equipment, that results in violations of applicable air pollution control regulations or applicable emission limitations must be kept and retained for a period of three (3) years and be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any emission unit or emission control equipment occurs that lasts more than one (1) hour, the condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification must be made by telephone or other electronic means, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of the occurrence.

(c) Failure to report a malfunction of any emission unit or emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information on the scope and expected duration of the malfunction must be provided, including the items specified in 326 IAC 1-6-2(c)(3)(A) through (E).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.14 General Record Keeping Requirements [326 IAC 2-6.1-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.15 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
(c) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.
SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(a) One (1) blasting unit, identified as BLA065, constructed in 2014, with a maximum capacity of 315 pounds per hour of aluminum oxide blast media, controlled by dust collector, DUC097, and exhausting indoors.

(b) Two (2) blasting units, identified as BLA009 and BLA041, each constructed in 2014, each with a maximum capacity of 182 pounds per hour of coal slag blast media, each controlled by dust collector, DUC097, and each exhausting indoors.

(c) Two (2) blasting units, identified as BLA061 and BLA091, each constructed in 2014, each with a maximum capacity of 108 pounds per hour of plastic bead blasting media, each controlled by dust collector, DUC098, and each exhausting indoors.

(d) One (1) blasting unit, identified as BLA018, constructed in 2014, with a maximum capacity of 182 pounds per hour of coal slag blast media, controlled by dust collector, DUC097, and exhausting indoors.

(e) Ten (10) blasting units, identified as BLA031, BLA032, BLA034, BLA037, BLA042, BLA057, BLA064, BLA069, BLA094, and BLA120, each constructed in 2014, each with a maximum capacity 12.5 pounds per hour of Armex blast media, each controlled by dust collector, DUC097, and each exhausting indoors.

(f) One (1) blasting unit, identified as BLA083, constructed in 2014, with a maximum capacity of 800 pounds per hour of steel shot blast media, controlled by dust collector, DUC098, and exhausting indoors.

(g) Six (6) blasting units, identified as BLA021, BLA125, BLA126, BLA127, BLA128, and BLA129, each constructed in 2016, each with a maximum capacity of 12.5 pounds per hour of Armex blast media, each controlled by dust collector DUC098, and each exhausting indoors.

(h) One (1) parts soda blaster, identified as BLA149, permitted in 2018, with a maximum usage rate of 12.5 pounds of soda blast medium, using dust collector DUC098 as particulate control, and exhausting indoors.

(i) Six (6) blasting units, identified as BLA137, BLA142, BLA143, BLA144, BLA145, and BLA147, each constructed in 2019, each with a maximum capacity of 12.5 pounds per hour of Armex blast media, each using dust collector DUC097 as control, and each exhausting indoors.

(o) One (1) HVLP spray booth, identified as Transmission Paint Booth PTB019, constructed in 2014, with a maximum capacity to surface coat fifteen (15) transmissions per hour using 0.04 gallons of coating per transmission, equipped with dry filters for overspray control, and exhausting to stack, PTB019.

(p) One (1) HVLP spray booth, identified as Converter Paint Booth PTB007, constructed in 2014, with a maximum capacity to surface coat twenty (20) converters per hour using 0.01 gallons of coating per converter, equipped with dry filters for overspray control, and exhausting to stack, PTB007.

(q) One (1) HVLP spray booth, identified as Differential Paint Booth PTB018, constructed in 2014, with a maximum capacity to surface coat 4 differentials per hour using 0.04
gallons of coating per differential, equipped with dry filters for overspray control, and exhausting to stack, PTB018.

(r) One (1) HVLP spray booth, identified as Converter Paint Booth PTB021, constructed in 2016, with a maximum capacity to surface coat twenty (20) converters per hour using 0.01 gallons of coating per converter, equipped with dry filters for overspray control, and exhausting to stack, PTB021.

(s) One (1) HVLP spray booth, identified as SD Paint Booth PTB022, constructed in 2016, with a maximum capacity to surface coat one (1) Stern Drive housing per hour using 0.03 gallons of coating per Stern Drive housing, equipped with dry filters for overspray control, and exhausting to stack, PTB022.

(v) Twenty-nine (29) direct-fired, natural gas-fired space heaters, constructed in 2014, uncontrolled, and exhausting indoors, as follows:

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<th>Emission Unit</th>
<th>Heat Input Capacity (MMBTU/hr)</th>
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(w) Ten (10) MIG welding stations, identified as WEL042, WEL051, WEL056, WEL073, WEL080, WEL082, WEL116, WEL121, WEL159, and WEL136, constructed in 2014, with a combined maximum capacity to consume 9 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(x) Eight (8) TIG welding stations, identified as WEL037, WEL050, WEL076, WEL097, WEL118, WEL172, WEL174, and WEL204, constructed in 2014, with a combined maximum capacity to consume 0.3 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(y) One (1) sub arc welding station, identified as WEL083, constructed in 2014, with a maximum capacity of 9 pounds per hour, uncontrolled and exhausting indoors.

(z) One (1) plasma cutting operation, identified as WEL142, constructed in 2014, with a maximum capacity to cut a metal thickness of 0.75 inches at a rate of 1 inch per minute, uncontrolled and exhausting indoors.

(aa) One TIG welding station, identified as WEL137, permitted in 2018, with a maximum usage rate of 1.5 pounds per hour of electrode, and exhausting indoors.

(bb) Ten (10) MIG welding stations, identified as WEL162, WEL170, WEL176, WEL180, WEL182, WEL190, WEL191, WEL192, WEL196, and WEL213, constructed in 2019, with a maximum capacity to consume 9 pounds of welding wire per hour each, uncontrolled, and exhausting indoors.

(cc) Two (2) plasma cutting operations, identified as WEL163 and WEL210, constructed in 2019, with a maximum capacity to cut a metal thickness of 0.75 inches at a rate of 1 inch per minute, uncontrolled, and exhausting indoors.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards  [326 IAC 2-6.1-5(a)(1)]

D.1.1 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the twenty-nine (29) blasting units, the parts soda blaster (BLA149), the twenty-nine (29) direct-fired, natural gas-fired space heaters, the twenty (20) MIG welding stations, nine (9) TIG welding stations, one (1) sub arc welding station, and three (3) plasma cutting operation shall not exceed 0.03 grains per dry standard cubic foot (dscf), each.

D.1.2 Particulate [326 IAC 6.5-1-2]

Pursuant to 326 IAC 6.5-1-2(h), the five (5) HVLP spray booths (PTB019, PTB007, PTB018, PTB021, and PTB022) shall each be controlled by a dry particulate filter, water wash, or an equivalent control device, and the Permittee shall operate the control device in accordance with the manufacturer's specifications.

D.1.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities and any associated control device(s). Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.
SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(j) Twenty-six (26) degreasing units, each constructed in 2014, including:

(2) CLT095 with a maximum throughput of 45 gallons per year.

(3) CLT157 with a maximum throughput of 5 gallons per year.

(4) CLT158 with a maximum throughput of 416 gallons per year.

(5) CLT210 with a maximum throughput of 120 gallons per year.

(6) CLT312 with a maximum throughput of 120 gallons per year.

(7) CLT341 with a maximum throughput of 120 gallons per year.

(8) CLT345 with a maximum throughput of 520 gallons per year.

(k) Eighteen (18) degreasing units, each constructed in 2019, including

(1) CLT352 with a maximum throughput of 120 gallons per year.

(2) ADJ073 with a maximum throughput of 2,400 pounds per year.

(3) ADJ074 with a maximum throughput of 2,400 pounds per year.

(4) ADJ105 with a maximum throughput of 2,400 pounds per year.

(5) ADJ106 with a maximum throughput of 2,400 pounds per year.

(18) TAN177 with a maximum throughput of 1,800 pounds per year.

(l) One (1) degreaser, identified as CLT350, permitted in 2018, modified in 2019, with a maximum usage rate of 520 gallons of solvent per year.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Cold Cleaner Degreaser Control Equipment and Operating Requirements [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), the Permittee shall:

(a) Ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.
(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) Ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

   (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
   (B) A water cover when solvent used is insoluble in, and heavier than, water.
   (C) A refrigerated chiller.
   (D) Carbon adsorption.
   (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:
   (A) must be a solid, fluid stream; and
   (B) shall be applied at a pressure that does not cause excessive splashing.

D.2.2 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

D.2.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for these facilities. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

Record Keeping and Reporting Requirement [326 IAC 2-6.1-5(a)(2)]

D.2.4 Record Keeping Requirements

(a) To document the compliance status with Condition D.2.2, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.

(1) The name and address of the solvent supplier.
(2) The date of purchase (or invoice/bill dates of contract servicer indicating service date).

(3) The type of solvent purchased.

(4) The total volume of the solvent purchased.

(5) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the records required by this condition.
INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
MINOR SOURCE OPERATING PERMIT  
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

<table>
<thead>
<tr>
<th>Company Name:</th>
<th>Jasper Engine Exchange, Inc. - Branch #70</th>
</tr>
</thead>
<tbody>
<tr>
<td>Source Address:</td>
<td>1220 Power Drive</td>
</tr>
<tr>
<td>City:</td>
<td>Jasper, Indiana 47547</td>
</tr>
<tr>
<td>Phone #:</td>
<td>(812) 482-1041</td>
</tr>
<tr>
<td>MSOP #:</td>
<td>M037-41777-00124</td>
</tr>
</tbody>
</table>

I hereby certify that Jasper Engine Exchange, Inc. - Branch #70 is:

- [ ] still in operation.
- [ ] no longer in operation.

I hereby certify that Jasper Engine Exchange, Inc. - Branch #70 is:

- [ ] in compliance with the requirements of MSOP M037-41777-00124.
- [ ] not in compliance with the requirements of MSOP M037-41777-00124.

<table>
<thead>
<tr>
<th>Authorized Individual (typed):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title:</td>
</tr>
<tr>
<td>Signature:</td>
</tr>
<tr>
<td>Date:</td>
</tr>
</tbody>
</table>

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

<table>
<thead>
<tr>
<th>Noncompliance:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<tr>
<td></td>
</tr>
</tbody>
</table>
MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.


THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _______ OR, PERMIT CONDITION # _______ AND/OR PERMIT LIMIT OF _______________

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY: __________________________________________ PHONE NO. ( )___________________
LOCATION: (CITY AND COUNTY) ___________________________________________________________
PERMIT NO. ________________ AFS PLANT ID: ________________ AFS POINT ID: ________________ INSP:__________
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON: _______________________________________

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____   ______________________________________ AM / PM
ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _______________________________________

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE______/______/ 20____   _______________ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:________________________________________
ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _______________________________________
MEASURES TAKEN TO MINIMIZE EMISSIONS:____________________________________________________________
__________________________________________________________________________________________________
REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:
CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____________________________________
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:________________________________________
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:___________________________
INTERIM CONTROL MEASURES: (IF APPLICABLE)____________________________________________________________
__________________________________________________________________________________________________
__________________________________________________________________________________________________
MALFUNCTION REPORTED BY:__________________________________TITLE:___________________________
(SIGNATURE IF FAXED)
MALFUNCTION RECORDED BY:_______________________DATE:__________________TIME:__________________

*SEE PAGE 2
Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 “Malfunction” definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

*Essential services are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

________________________________________________________________________
________________________________________________________________________
Source Name: Jasper Engine Exchange, Inc. - Branch #70
Source Location: 1220 Power Drive, Jasper, Indiana 47547
County: Dubois
SIC Code: 3714 (Motor Vehicle Parts and Accessories)
Permit Renewal No.: M037-41777-00124
Permit Reviewer: Natalie Moore

On August 9, 2019, Jasper Engine Exchange, Inc. - Branch #70 submitted an application to the Office of Air Quality (OAQ) requesting to renew its operating permit. OAQ has reviewed the operating permit renewal application from Jasper Engine Exchange, Inc. - Branch #70 relating to the operation of a stationary transmissions and related components manufacturing plant. Jasper Engine Exchange, Inc. - Branch #70 was issued its first MSOP (M037-34851-00124) on December 19, 2014.

Jasper Engines & Transmissions, Inc. operates two plants, the Jasper Engines Exchange, Inc. – Branch #1, located at 815 Wernsing Road, Jasper, Indiana 47546 and the Jasper Engines Exchange, Inc. – Branch #50, located at 733 W. Division Road, Jasper, Indiana 47546. Jasper Reality, Inc. also operates two plants in Jasper, Jasper Engines Exchange, Inc. – Branch #53, located at 911 W. Division Road, and Jasper Engines Exchange, Inc. – Branch #70, located at 1220 Power Drive. IDEM, OAQ has examined whether any of these four plants are part of the same major source. The term “major source” is defined at 326 IAC 2-7-1(22). In order for these plants to be considered one major source, they must meet all three of the following criteria:

1. the plants must be under common ownership or common control;
2. the plants must have the same two-digit Standard Industrial Classification (SIC) Code or one must serve as a support facility for another; and,
3. the plants must be located on the same, contiguous or adjacent properties.

Branch #1 and Branch #50 are owned by Jasper Engines & Transmissions, Inc. Branch #53 and Branch #70 are owned by Jasper Reality, Inc. All four (4) plants have the same corporate officers and directors. IDEM's Nonrule Policy Document Air-005 states that if two entities share common corporate officers, in whole or in substantial part, who are responsible for the day-to-day operations of the entities, common ownership exists. Since all four (4) plants have the same corporate officers and directors, common ownership exists. Since common ownership exists, the first criterion of the definition of “major source” is met.

The SIC Code Manual of 1987 sets out how to determine the proper SIC Code for each type of business. More information about SIC Codes is available at http://www.osha.gov/pls/imis/sic_manual.html on the Internet. Branch #1, Branch #53, and Branch #70 are motor vehicle parts and accessories remanufacturing plants. The principal two-digit SIC Code for Branch #1, Branch #53, and Branch #70 is 37, for the Major Group Transportation Equipment. Branch #50 is an electric motors and generators (non-auto related) repair plant. The principal two-digit SIC Code for Branch #50 is 36, for the Major Group Electronic And Other Electrical Equipment And Components, Except Computer Equipment. A plant is a support facility to another plant if it dedicates 50% or more of its output to another plant. The four (4) branches do not supply support to each other, with one exception. Branch #1 sometimes purchases repaired engine heads from Branch #53. This accounts for less than 20% of Branch #53's total output and less than 5% of Branch #1's total production. Therefore, there is no support relationship
between any of the four (4) branches. However, since Branch #1, Branch #53, and Branch #70 have the same two-digit SIC Code they meet the second criterion of the major source definition. Branch #50 does not meet the second criterion of the major source definition with any of the other branches.

The last criterion of the major source definition is whether the plants are on the same, contiguous or adjacent properties. Branch #50 is located on property contiguous with Branch #1, separated only by a highway right-of-way, so Branch #50 meets the third part of the major source definition with Branch #1. Branch #50 is also located on property contiguous with Branch #53, so Branch #50 meets the third criterion of the major source definition with Branch #53.

No other plant is located on the same or contiguous properties. Therefore, IDEM, OAQ must determine if any of the plants are located on adjacent properties. The term “adjacent” is not defined in Indiana’s air permitting rules. IDEM, OAQ has located a May 21, 1988 letter from U.S. EPA Region VIII to the Utah Division of Air Quality regarding the term “adjacent”. This letter is in no way binding on IDEM, OAQ, but it is persuasive. Region VIII stated that any evaluation of what is “adjacent” must relate to the guiding principal of a common sense notion of “source”. The evaluation should look at whether the distance between the plants is sufficiently small that it enables them to operate as a single source. Some sample questions are:

1. Are materials routinely transferred between the plants?
2. Do managers or other workers frequently shuttle back and forth to be involved actively in the plants?
3. Is the production process itself split in any way between the plants?

The closest distance between Branch #70 and Branch #50 is approximately 0.4 miles. Branch #70 and Branch #50 each produce products for their own manufacture, sale, and distribution. Neither branch furnishes parts to the other. No managers or production workers shuttle between the plants. The production process is not split in any way between the plants. The only employees common to both plants are nonproduction security staff, grounds keeping service, and upper level management. Considering all of these factors, IDEM, OAQ finds that these two plants are not located on adjacent properties and do not meet the third criterion of the major source definition.

The closest distance between Branch #1 and Branch #70 is approximately 0.5 miles. Branch #1 and Branch #70 each produce products for their own manufacture, sale, and distribution. Neither branch furnishes parts to the other. No managers or production workers shuttle between the plants. The production process is not split in any way between the plants. The only employees common to both plants are nonproduction security staff, grounds keeping service, and upper level management. Considering all of these factors, IDEM, OAQ finds that these two plants are not located on adjacent properties and do not meet the third criterion of the major source definition.

The closest distance between Branch #1 and Branch #53 is approximately 600 feet. Branch #1 and Branch #53 each produce products for their own manufacture, sale, and distribution. Branch #1 sometimes purchases repaired engine heads from Branch #53. This accounts for less than 20% of Branch #53’s total output and less than 5% of Branch #1’s total production. In other words, only a small part of the production process is split between the plants. No managers or production workers shuttle between the plants. The only employees common to both plants are nonproduction security staff, grounds keeping service, and upper level management. Considering all of these factors, IDEM, OAQ finds that these two plants are located on adjacent properties, meeting the third criterion of the major source definition.

The closest distance between Branch #53 and Branch #70 is approximately 0.4 miles. Branch #53 and Branch #70 each produce products for their own manufacture, sale, and distribution. Neither branch furnishes parts to the other. No managers or production workers shuttle between the plants. The production process is not split in any way between the plants. The only employees common to both plants are nonproduction security staff, grounds keeping service, and upper level management. Considering all of these factors, IDEM, OAQ finds that these two plants are not located on adjacent properties and do not meet the third criterion of the major source definition.
Since Branch #1 and Branch #53 meet all three criteria of the major source definition, IDEM, OAQ finds that they are part of the same major source. Since none of the other plants meets all three criteria of the major source definition with any other plant, IDEM, OAQ finds that none of the other plants are part of the same major source with any other plant.

This determination was initially made under MSOP No. M037-34851-00124, issued on December 19, 2014.

### Existing Approvals

The source was issued MSOP No. M037-34851-00124 on December 19, 2014. The source has since received the following approval:

(a) Minor Permit Revision No. 037-36769-00124, issued on February 11, 2016;
(b) Administrative Amendment No. 037-36877-00124, issued on March 18, 2016; and
(c) Administrative Amendment No. 037-39760-00124, issued on April 16, 2018.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the State Implementation Plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

### Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units:

(a) One (1) blasting unit, identified as BLA065, constructed in 2014, with a maximum capacity of 315 pounds per hour of aluminum oxide blast media, controlled by dust collector, DUC097, and exhausting indoors.

(b) Two (2) blasting units, identified as BLA009 and BLA041, each constructed in 2014, each with a maximum capacity of 182 pounds per hour of coal slag blast media, each controlled by dust collector, DUC097, and each exhausting indoors.

(c) Two (2) blasting units, identified as BLA061 and BLA091, each constructed in 2014, each with a maximum capacity of 108 pounds per hour of plastic bead blasting media, each controlled by dust collector, DUC098, and each exhausting indoors.

(d) One (1) blasting unit, identified as BLA018, constructed in 2014, with a maximum capacity of 182 pounds per hour of coal slag blast media, controlled by dust collector, DUC097, and exhausting indoors.

(e) Ten (10) blasting units, identified as BLA031, BLA032, BLA034, BLA037, BLA042, BLA057, BLA064, BLA069, BLA094, and BLA120, each constructed in 2014, each with a maximum capacity 12.5 pounds per hour of Armex blast media, each controlled by dust collector, DUC097, and each exhausting indoors.

(f) One (1) blasting unit, identified as BLA083, constructed in 2014, with a maximum capacity of 800 pounds per hour of steel shot blast media, controlled by dust collector, DUC098, and exhausting indoors.

(g) Six (6) blasting units, identified as BLA021, BLA125, BLA126, BLA127, BLA128, and BLA129, each constructed in 2016, each with a maximum capacity of 12.5 pounds per hour of Armex blast media, each controlled by dust collector DUC098, and each exhausting indoors.

(h) Twenty-six (26) degreasing units, each constructed in 2014, including:
(1) ADJ015 with a maximum throughput of 9 gallons per year.
(2) CLT095 with a maximum throughput of 45 gallons per year.
(3) CLT157 with a maximum throughput of 5 gallons per year.
(4) CLT158 with a maximum throughput of 416 gallons per year.
(5) CLT210 with a maximum throughput of 120 gallons per year.
(6) CLT312 with a maximum throughput of 120 gallons per year.
(7) CLT341 with a maximum throughput of 120 gallons per year.
(8) CLT345 with a maximum throughput of 520 gallons per year.
(9) CLT131 with a maximum throughput of 650 pounds per year.
(10) CLT186 with a maximum throughput of 300 pounds per year.
(11) CLT188 with a maximum throughput of 300 pounds per year.
(12) CLT190 with a maximum throughput of 650 pounds per year.
(13) CLT191 with a maximum throughput of 1300 pounds per year.
(14) CLT193 with a maximum throughput of 300 pounds per year.
(15) CLT194 with a maximum throughput of 650 pounds per year.
(16) CLT195 with a maximum throughput of 100 pounds per year.
(17) CLT202 with a maximum throughput of 1300 pounds per year.
(18) CLT222 with a maximum throughput of 300 pounds per year.
(19) CLT232 with a maximum throughput of 300 pounds per year.
(20) CLT255 with a maximum throughput of 390 pounds per year.
(21) CLT275 with a maximum throughput of 325 pounds per year.
(22) CLT298 with a maximum throughput of 650 pounds per year.
(23) CLT299 with a maximum throughput of 1300 pounds per year.
(24) CLT307 with a maximum throughput of 650 pounds per year.
(25) CLT308 with a maximum throughput of 1300 pounds per year.
(26) CLT311 with a maximum throughput of 600 pounds per year.

(i) Nine (9) electric engine test stands.
(j) Three (3) electric heaters.
(k) Twenty-nine (29) direct-fired, natural gas-fired space heaters, constructed in 2014, uncontrolled, and exhausting indoors, as follows:

<table>
<thead>
<tr>
<th>Emission Unit</th>
<th>Heat Capacity (MMBTU/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ACH700</td>
<td>0.13</td>
</tr>
<tr>
<td>ACH701</td>
<td>0.13</td>
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<td>ACH702</td>
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</table>

(l) Ten (10) MIG welding stations, identified as WEL042, WEL051, WEL056, WEL073, WEL080, WEL082, WEL116, WEL121, WEL159, and WEL136, constructed in 2014, with a combined maximum capacity to consume 9 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(m) Eight (8) TIG welding stations, identified as WEL037, WEL050, WEL076, WEL097, WEL118, WEL172, WEL174, and WEL204, constructed in 2014, with a combined maximum capacity to consume 0.3 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(n) One (1) sub arc welding station, identified as WEL083, constructed in 2014, with a maximum capacity of 9 pounds per hour, uncontrolled and exhausting indoors.

(o) One (1) plasma cutting operation, identified as WEL142, constructed in 2014, with a maximum capacity to cut a metal thickness of 0.75 inches at a rate of 1 inch per minute, uncontrolled and exhausting indoors.
(p) One (1) parts soda blaster, identified as BLA149, permitted in 2018, with a maximum usage rate of 12.5 pounds of soda blast medium, using dust collector DUC098 as particulate control, and exhausting indoors.

(q) One TIG welding station, identified as WEL137, permitted in 2018, with a maximum usage rate of 1.5 pounds per hour of electrode, and exhausting indoors.

<table>
<thead>
<tr>
<th>Emission Units and Pollution Control Equipment Removed From the Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>The source has removed the following emission units:</td>
</tr>
</tbody>
</table>

(a) Twelve (12) degreasing units, each constructed in 2014, including:

   (1) CLT012 with a maximum throughput of 180 pounds per year
   (2) CLT013 with a maximum throughput of 780 pounds per year
   (3) CLT014 with a maximum throughput of 780 pounds per year
   (4) CLT062 with a maximum throughput of 299 pounds per year
   (5) CLT096 with a maximum throughput of 330 gallons per year (Note: According to the MSDS, the VOC content is less than 1% for the chemical used in this unit.)
   (6) CLT140 with a maximum throughput of 900 pounds per year (Note: According to the MSDS, the VOC content is not applicable for the chemical used in this unit. The VOC content is assumed to be negligible.)
   (7) CLT175 with a maximum throughput of 2190 pounds per year
   (8) CLT253 with a maximum throughput of 247 pounds per year
   (9) CLT256 with a maximum throughput of 2920 gallons per year (Note: According to the MSDS, the chemical used in this unit contains no VOCs.)
   (10) CLT262 with a maximum throughput of 130 pounds per year
   (11) CLT280 with a maximum throughput of 10 gallons per year
   (12) CLT305 with a maximum throughput of 1300 pounds per year

(b) Two (2) indirect-fired, natural gas-fired boilers, constructed in 2014, each with a maximum heat input capacity of 0.499 MMBTU/hr, uncontrolled and exhausting indoors.

(c) One (1) direct-fired, natural gas-fired heater for cleaning tank CLT311, with a maximum heat input capacity of 0.18 MMBTU/hr, uncontrolled and exhausting indoors.

(d) One (1) TIG welding station, identified as WEL144, constructed in 2014, with a maximum capacity to consume 0.3 pounds of welding wire per hour, uncontrolled and exhausting indoors.

(e) One (1) propane-fired parts heater, identified as TEQ051, permitted in 2018, with a maximum heat input rate of 0.87 MMBtu/hr.
Enforcement Issue

IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit and operating rules.

Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

County Attainment Status

The source is located in Dubois County.

<table>
<thead>
<tr>
<th>Pollutant</th>
<th>Designation</th>
</tr>
</thead>
<tbody>
<tr>
<td>SO₂</td>
<td>Better than national standards.</td>
</tr>
<tr>
<td>CO</td>
<td>Unclassifiable or attainment effective November 15, 1990.</td>
</tr>
<tr>
<td>O₃</td>
<td>Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard.¹</td>
</tr>
<tr>
<td>PM₂.₅</td>
<td>Unclassifiable or attainment effective April 15, 2015, for the annual PM₂.₅ standard.</td>
</tr>
<tr>
<td>PM₁₀</td>
<td>Unclassifiable effective November 15, 1990.</td>
</tr>
<tr>
<td>NO₂</td>
<td>Unclassifiable or attainment effective January 29, 2012, for the 2010 NO₂ standard.</td>
</tr>
<tr>
<td>Pb</td>
<td>Unclassifiable or attainment effective December 31, 2011.</td>
</tr>
</tbody>
</table>

¹Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005.

(a) Ozone Standards
Volatile organic compounds (VOC) and Nitrogen Oxides (NOₓ) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOₓ emissions are considered when evaluating the rule applicability relating to ozone. Dubois County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOₓ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(b) PM₂.₅
Dubois County has been classified as attainment for PM₂.₅. Therefore, direct PM₂.₅, SO₂, and NOₓ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

(c) Other Criteria Pollutants
Dubois County has been classified as attainment or unclassifiable in Indiana for all the other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

Fugitive Emissions

Since this type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).
The fugitive emissions of criteria pollutants and hazardous air pollutants (HAP) are counted toward the determination of MSOP (326 IAC 2-6.1) applicability and source status under Section 112 of the Clean Air Act (CAA).

### Greenhouse Gas (GHG) Emissions

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at [http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf](http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf)) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court’s decision. U.S. EPA’s guidance states that U.S. EPA will no longer require PSD or Title V permits for sources “previously classified as ‘Major’ based solely on greenhouse gas emissions.”

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

### Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

[Note: The following table reflects the unrestricted source-wide PTE including the PTE of all unpermitted units that will be incorporated into this Renewal with New Source Review.]

<table>
<thead>
<tr>
<th>Unrestricted Potential Emissions (ton/year)</th>
<th>PM¹</th>
<th>PM₁₀¹</th>
<th>PM₂.₅¹,²</th>
<th>SO₂</th>
<th>NOₓ</th>
<th>VOC</th>
<th>CO</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total PTE of Entire Source Excluding Fugitive Emissions*</td>
<td>87.23</td>
<td>85.55</td>
<td>85.55</td>
<td>0.03</td>
<td>4.97</td>
<td>10.30</td>
<td>4.17</td>
<td>0.98</td>
</tr>
<tr>
<td>Title V Major Source Thresholds</td>
<td>--</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>100</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Total PTE of Entire Source Including Source-Wide Fugitives*</td>
<td>87.23</td>
<td>85.55</td>
<td>85.55</td>
<td>0.03</td>
<td>4.97</td>
<td>10.30</td>
<td>4.17</td>
<td>0.98</td>
</tr>
<tr>
<td>MSOP Thresholds</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>&lt; 100</td>
<td>&lt; 25</td>
</tr>
</tbody>
</table>

¹Under the Part 70 Permit program (40 CFR 70), PM₁₀ and PM₂.₅, not particulate matter (PM), are each considered as a “regulated air pollutant.”
²PM₂.₅ listed is direct PM₂.₅.
*Fugitive HAP emissions are always included in the source-wide emissions.

Appendix A of this TSD reflects the detailed unrestricted potential emissions of the source.

(a) The potential to emit (as defined in 326 IAC 2-7-1(30)) of all regulated pollutants is less than 100 tons per year. However, PM₁₀ and PM₂.₅ are each equal to or greater than twenty-five (25) tons per year. The source is not subject to the provisions of 326 IAC 2-7. The source will be issued an MSOP Renewal.

(b) The potential to emit (as defined in 326 IAC 2-7-1(30)) of any single HAP is less than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(30)) of a combination of
HAPs is less than twenty-five (25) tons per year. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA) and not subject to the provisions of 326 IAC 2-7. The source will be issued an MSOP Renewal.

### Description of Proposed Revision at an Existing Source

The Office of Air Quality (OAQ) has reviewed an application, submitted by Jasper Engine Exchange, Inc. - Branch #70 on August 9, 2019, relating to the construction of new degreasing units, plasma cutting operations, MIG welding operations, blasting units, and the modification of existing degreasing units.

The following is a list of the new and modified emission units:

(a) Eighteen (18) degreasing units, each constructed in 2019, including

1. CLT352 with a maximum throughput of 120 gallons per year.
2. ADJ073 with a maximum throughput of 2,400 pounds per year.
3. ADJ074 with a maximum throughput of 2,400 pounds per year.
4. ADJ105 with a maximum throughput of 2,400 pounds per year.
5. ADJ106 with a maximum throughput of 2,400 pounds per year.
6. ADJ069 with a maximum throughput of 19 gallons per year.
7. ADJ103 with a maximum throughput of 182 gallons per year.
8. CLT035 with a maximum throughput of 180 gallons per year.
9. CLT064 with a maximum throughput of 234 pounds per year.
10. CLT179 with a maximum throughput of 650 pounds per year.
11. CLT183 with a maximum throughput of 325 pounds per year.
12. CLT231 with a maximum throughput of 650 pounds per year.
13. CLT242 with a maximum throughput of 650 pounds per year.
14. CLT316 with a maximum throughput of 60 pounds per year.
15. CLT324 with a maximum throughput of 325 pounds per year.
16. CLT329 with a maximum throughput of 50 pounds per year.
17. CLT367 with a maximum throughput of 208 gallons per year.
18. TAN177 with a maximum throughput of 1,800 pounds per year.

(b) One (1) degreaser, identified as CLT350, permitted in 2018, modified in 2019, with a maximum usage rate of 520 gallons of solvent per year.

(c) One (1) degreasing unit, identified as CLT185, constructed in 2014, modified in 2019, with a maximum throughput of 260 gallons of solvent per year.

(d) Degreasing units, each with no VOC emissions, identified as follows:
(1) ADJ070 with a maximum throughput of 104 gallons per year.
(2) ADJ075 with a maximum throughput of 140 gallons per year.
(3) ADJ080 with a maximum throughput of 104 gallons per year.
(4) CLT063 with a maximum throughput of 104 gallons per year.
(5) CLT084 with a maximum throughput of 260 gallons per year.
(6) CLT306 with a maximum throughput of 288 gallons per year.
(7) CLT363 with a maximum throughput of 15 gallons per year.
(8) PSW021 with a maximum throughput of 20 pounds per year.
(9) PSW028 with a maximum throughput of 20 pounds per year.
(10) PSW029 with a maximum throughput of 20 pounds per year.
(11) PSW031 with a maximum throughput of 20 pounds per year.
(12) PSW040 with a maximum throughput of 20 pounds per year.
(13) PSW042 with a maximum throughput of 20 pounds and 25 gallons per year.
(14) PSW043 with a maximum throughput of 20 pounds per year.
(15) TAN199 with a maximum throughput of 390 gallons per year.
(16) TANXXX with a maximum throughput of 371 gallons per year.

(e) Two (2) plasma cutting operations, identified as WEL163 and WEL210, constructed in 2019, with a maximum capacity to cut a metal thickness of 0.75 inches at a rate of 1 inch per minute, uncontrolled, and exhausting indoors.

The following emission units were constructed and/or operated without a permit:

(a) Six (6) blasting units, identified as BLA137, BLA142, BLA143, BLA144, BLA145, and BLA147, each constructed in 2019, each with a maximum capacity of 12.5 pounds per hour of Armex blast media, each using dust collector DUC097 as control, and each exhausting indoors.

(b) Ten (10) MIG welding stations, identified as WEL162, WEL170, WEL176, WEL180, WEL182, WEL190, WEL191, WEL192, WEL196, and WEL213, constructed in 2019, with a maximum capacity to consume 9 pounds of welding wire per hour each, uncontrolled, and exhausting indoors.

(c) One (1) HVLP spray booth, identified as Transmission Paint Booth PTB019, constructed in 2014, modified in 2019, with a maximum capacity to surface coat fifteen (15) transmissions per hour using 0.04 gallons of coating per transmission, equipped with dry filters for overspray control, and exhausting to stack, PTB019.

(d) One (1) HVLP spray booth, identified as Converter Paint Booth PTB007, constructed in 2014, modified in 2019, with a maximum capacity to surface coat twenty (20) converters per hour using 0.01 gallons of coating per converter, equipped with dry filters for overspray control, and exhausting to stack, PTB007.
(e) One (1) HVLP spray booth, identified as Differential Paint Booth PTB018, constructed in 2014, modified in 2019, with a maximum capacity to surface coat 4 differentials per hour using 0.04 gallons of coating per differential, equipped with dry filters for overspray control, and exhausting to stack, PTB018.

(f) One (1) HVLP spray booth, identified as Converter Paint Booth PTB021, constructed in 2016, modified in 2019, with a maximum capacity to surface coat twenty (20) converters per hour using 0.01 gallons of coating per converter, equipped with dry filters for overspray control, and exhausting to stack, PTB021.

(g) One (1) HVLP spray booth, identified as SD Paint Booth PTB022, constructed in 2016, modified in 2019, with a maximum capacity to surface coat one (1) Stern Drive housing per hour using 0.03 gallons of coating per Stern Drive housing, equipped with dry filters for overspray control, and exhausting to stack, PTB022.

**Permit Level Determination – MSOP Minor Permit Revision**

Pursuant to 326 IAC 2-1.1-1(12), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-6.1-6. This table reflects the PTE before controls of the proposed revision. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

### PTE Before Controls of the New Emission Units (ton/year)

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$$^1$</th>
<th>SO$_2$</th>
<th>NO$_X$</th>
<th>VOC</th>
<th>CO</th>
<th>Single HAP$_2$</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blasting</td>
<td>3.29</td>
<td>3.29</td>
<td>3.29</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Degreasing</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.99</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Welding</td>
<td>2.17</td>
<td>2.17</td>
<td>2.17</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.20</td>
<td>0.20</td>
</tr>
<tr>
<td><strong>Total PTE Before Controls of the New Emission Units:</strong></td>
<td><strong>5.45</strong></td>
<td><strong>5.45</strong></td>
<td><strong>5.45</strong></td>
<td>-</td>
<td>-</td>
<td><strong>0.99</strong></td>
<td>-</td>
<td><strong>0.20</strong></td>
<td><strong>0.20</strong></td>
</tr>
</tbody>
</table>

$^1$PM$_{2.5}$ listed is direct PM$_{2.5}$.

$^2$Single highest HAP.

Appendix A of this TSD reflects the detailed potential emissions of the proposed revision.

### PTE Increase of the Modified Emission Units (ton/year)

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$$^1$</th>
<th>SO$_2$</th>
<th>NO$_X$</th>
<th>VOC</th>
<th>CO</th>
<th>Single HAP$_2$</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE Before Modification (PTB019)</td>
<td>2.27</td>
<td>2.27</td>
<td>2.27</td>
<td>-</td>
<td>-</td>
<td>2.07</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE After Modification (PTB019)</td>
<td>2.69</td>
<td>2.69</td>
<td>2.69</td>
<td>-</td>
<td>-</td>
<td>0.58</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>PTE Increase (PTB019)</strong></td>
<td><strong>0.42</strong></td>
<td><strong>0.42</strong></td>
<td><strong>0.42</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE Before Modification (PTB007)</td>
<td>0.76</td>
<td>0.76</td>
<td>0.76</td>
<td>-</td>
<td>-</td>
<td>0.69</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>
## PTE Increase of the Modified Emission Units (ton/year)

<table>
<thead>
<tr>
<th>Process / Emission Unit</th>
<th>PM</th>
<th>PM(_{10})</th>
<th>PM(_{2.5})(^1)</th>
<th>SO(_2)</th>
<th>NO(_x)</th>
<th>VOC</th>
<th>CO</th>
<th>Single HAP(^2)</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTE After Modification (PTB007)</td>
<td>0.90</td>
<td>0.90</td>
<td>0.90</td>
<td>-</td>
<td>-</td>
<td>0.19</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>PTE Increase (PTB007)</strong></td>
<td>0.14</td>
<td>0.14</td>
<td>0.14</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE Before Modification (PTB018)</td>
<td>0.54</td>
<td>0.54</td>
<td>0.54</td>
<td>-</td>
<td>-</td>
<td>0.62</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE After Modification (PTB018)</td>
<td>0.70</td>
<td>0.70</td>
<td>0.70</td>
<td>-</td>
<td>-</td>
<td>0.19</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>PTE Increase (PTB018)</strong></td>
<td>0.16</td>
<td>0.16</td>
<td>0.16</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE Before Modification (PTB021)</td>
<td>1.52</td>
<td>1.52</td>
<td>1.52</td>
<td>-</td>
<td>-</td>
<td>0.69</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE After Modification (PTB021)</td>
<td>1.79</td>
<td>1.79</td>
<td>1.79</td>
<td>-</td>
<td>-</td>
<td>0.19</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>PTE Increase (PTB021)</strong></td>
<td>0.27</td>
<td>0.27</td>
<td>0.27</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE Before Modification (PTB022)</td>
<td>0.23</td>
<td>0.23</td>
<td>0.23</td>
<td>-</td>
<td>-</td>
<td>0.10</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE After Modification (PTB022)</td>
<td>1.48</td>
<td>1.48</td>
<td>1.48</td>
<td>-</td>
<td>-</td>
<td>1.64</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>PTE Increase (PTB022)</strong></td>
<td>1.25</td>
<td>1.25</td>
<td>1.25</td>
<td>-</td>
<td>-</td>
<td>1.54</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE Before Modification (CLT350)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>0.10</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>PTE After Modification (CLT350)</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.74</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>PTE Increase (CLT350)</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>1.64</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Total PTE Increase of the Modified Emission Unit(s)/Process</strong></td>
<td><strong>2.25</strong></td>
<td><strong>2.25</strong></td>
<td><strong>2.25</strong></td>
<td>-</td>
<td>-</td>
<td><strong>3.18</strong></td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

\(^1\)PM\(_{2.5}\) listed is direct PM\(_{2.5}\).

\(^2\)Single highest HAP.

Appendix A of this TSD reflects the detailed potential emissions of the proposed revision.
## PTE Increases Due to the Revision (ton/year)

<table>
<thead>
<tr>
<th></th>
<th>PM</th>
<th>PM$_{10}$</th>
<th>PM$_{2.5}$$^1$</th>
<th>SO$_2$</th>
<th>NO$_X$</th>
<th>VOC</th>
<th>CO</th>
<th>Single HAP$$^2$$</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total PTE Before Controls of the New Emission Units</td>
<td>5.45</td>
<td>5.45</td>
<td>5.45</td>
<td>-</td>
<td>-</td>
<td>0.99</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total PTE Increase of the Modified Emission Unit(s)/Process</td>
<td>2.25</td>
<td>2.25</td>
<td>2.25</td>
<td>-</td>
<td>-</td>
<td>3.18</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Total PTE of the Revision</td>
<td>7.70</td>
<td>7.70</td>
<td>7.70</td>
<td>-</td>
<td>-</td>
<td>4.16</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

$^1$PM$_{2.5}$ listed is direct PM$_{2.5}$.

$^2$Single highest HAP.

Appendix A of this TSD reflects the detailed potential emissions of the proposed revision.

Pursuant to 326 IAC 2-6.1-6(g)(3), this MSOP is revised through a Minor Permit Revision because the proposed revision involves the construction of new emission units and a change in the method of operation for existing emission units where there is a combined increase in the potential to emit less than twenty-five (25) tons per year and equal to or greater than five (5) tons per year of either PM, PM$_{10}$, or direct PM$_{2.5}$. In lieu of a Minor Permit Revision, a MSOP Renewal with New Source Review will be issued.

### Potential to Emit After Issuance

The table below summarizes the uncontrolled/unlimited potential to emit of the entire source. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

<table>
<thead>
<tr>
<th>Potential To Emit of the Entire Source After Issuance of Renewal (tons/year)</th>
<th>PM$^1$</th>
<th>PM$_{10}$$^1$</th>
<th>PM$_{2.5}$$^1$, 2</th>
<th>SO$_2$</th>
<th>NO$_X$</th>
<th>VOC</th>
<th>CO</th>
<th>Total HAPs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total PTE of Entire Source Excluding Fugitive Emissions*</td>
<td>87.23</td>
<td>85.55</td>
<td>85.55</td>
<td>0.03</td>
<td>4.97</td>
<td>10.30</td>
<td>4.17</td>
<td>0.98</td>
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<tr>
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<td>100</td>
<td>100</td>
<td>100</td>
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<tr>
<td>Total PTE of Entire Source Including Source-Wide Fugitives*</td>
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<td>85.55</td>
<td>85.55</td>
<td>0.03</td>
<td>4.97</td>
<td>10.30</td>
<td>4.17</td>
<td>0.98</td>
</tr>
<tr>
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<td>&lt; 25</td>
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<td>250</td>
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</tr>
</tbody>
</table>

$^1$Under the Part 70 Permit program (40 CFR 70), PM$_{10}$ and PM$_{2.5}$, not particulate matter (PM), are each considered as a "regulated air pollutant."

$^2$PM$_{2.5}$ listed is direct PM$_{2.5}$.

*Fugitive HAP emissions are always included in the source-wide emissions.

Appendix A of this TSD reflects the detailed unlimited/uncontrolled emissions of the source.

(a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability

Federal rule applicability for this source has been reviewed as follows:

New Source Performance Standards (NSPS):

(a) The requirements of the New Source Performance Standard for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc (326 IAC 12), are still not included in the permit for the natural gas-fired space heaters, because each unit has a heat input capacity of less than ten (10) MMBtu per hour.

(b) The requirements of the New Source Performance Standard for Surface Coating of Metal Furniture, 40 CFR 60, Subpart EE (326 IAC 12), are still not included in the permit, since this source does not coat the surfaces of metal furniture. This source applies coatings to the surfaces of motor vehicle transmissions.

(c) The requirements of the New Source Performance Standard for Automobile and Light Duty Truck Surface Coating Operations, 40 CFR 60, Subpart MM (326 IAC 12), are still not included in the permit, since this source is not an automobile or light-duty truck assembly plant.

(d) There are no New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

(a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning, 40 CFR 63, Subpart T (326 IAC 20-6), are still not included in the permit, since this source does not use any solvents containing methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5), or chloroform (CAS No. 67-66-3).

(b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Automobiles and Light-Duty Trucks, 40 CFR 63, Subpart IIII (326 IAC 20-85), are still not included in the permit, since this source does not coat new automobiles or light-duty truck bodies or body parts, as defined in §63.3176.

(c) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Miscellaneous Metal Parts and Products, 40 CFR 63, Subpart MMMM (326 IAC 20-80), are still not included in the permit, since this source is not a major source of HAPs as defined in §63.2.

(d) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Plastic Parts and Products, 40 CFR 63, Subpart PPPP (326 IAC 20-81), are still not included in the permit, since this source is not a major source of HAPs as defined in §63.2.

(e) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Surface Coating of Metal Furniture, 40 CFR 63, Subpart RRRR (326 IAC 20-78), are still not included in the permit, since this source does not coat metal furniture. This source applies coatings to the surfaces of motor vehicle transmissions.
(f) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDDD (326 IAC 20-95) are still not included in the permit for the natural gas-fired space heaters, because this source is not a major source of HAPs as defined in §63.2.

(g) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources, 40 CFR 63, Subpart HHHHHH, are still not included in the permit, since although this source is an area source of HAPs as defined in §63.2, this source does not perform paint stripping operations, perform spray application of coatings to motor vehicles and mobile equipment, or perform spray application of coatings to metal or plastic with coatings containing the target HAP, as defined in §63.11180. This source applies coatings to the surfaces of motor vehicle transmissions.

(h) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63, Subpart JJJJJJ are not included in the permit for the natural gas-fired space heaters, since although this source is an area source of HAPs as defined in §63.2, the natural gas-fired space heaters are not boilers as defined in §63.11237.

(i) There are no National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included in the permit.

Compliance Assurance Monitoring (CAM):

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is not included in the permit, because the unlimited potential to emit of the source is less than the Title V major source thresholds and the source is not required to obtain a Part 70 or Part 71 permit.

<table>
<thead>
<tr>
<th>State Rule Applicability - Entire Source</th>
</tr>
</thead>
<tbody>
<tr>
<td>State rule applicability for this source has been reviewed as follows:</td>
</tr>
</tbody>
</table>

326 IAC 2-6.1 (Minor Source Operating Permits (MSOP))
MSOP applicability is discussed under the Potential to Emit After Issuance section of this document.

326 IAC 2-2 (PSD)
PSD applicability is discussed under the Potential to Emit After Issuance section of this document.

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))
The provisions of 326 IAC 2-4.1 apply to any owner or operator who constructs or reconstructs a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.41, after July 27, 1997, unless the major source has been specifically regulated under or exempted from regulation under a NESHAP that was issued pursuant to Section 112(d), 112(h), or 112(j) of the Clean Air Act (CAA) and incorporated under 40 CFR 63. On and after June 29, 1998, 326 IAC 2-4.1 is intended to implement the requirements of Section 112(g)(2)(B) of the Clean Air Act (CAA).

The operation of this source will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)
This source is not subject to 326 IAC 2-6 (Emission Reporting) because it is not required to have an operating permit pursuant to 326 IAC 2-7 (Part 70); it is not located in Lake, Porter, or LaPorte County, and its potential to emit lead is less than 5 tons per year. Therefore, this rule does not apply.

326 IAC 5-1 (Opacity Limitations)
This source is subject to the opacity limitations specified in 326 IAC 5-1-2(2).
326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(c)(3), the source is not subject to the requirements of 326 IAC 6-3, since this source is subject to more stringent particulate limitations under the requirements of 326 IAC 6.5.

326 IAC 6-4 (Fugitive Dust Emissions Limitations)
Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), the source shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)
This source is not subject to the requirements of 326 IAC 6-5, because the source has potential fugitive particulate emissions of less than twenty-five (25) tons per year.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
This source (located in Dubois County) is located in one of the counties listed in 326 IAC 6.5, but is not one of the sources specifically listed in 326 IAC 6.5-2 through 326 IAC 6.5-10. The source-wide PTE of PM is 10 tons per year or more. Therefore, this source is subject to the requirements of 326 IAC 6.5-1-2 because the source-wide actual emissions of PM can be 10 tons per year or more.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)
Pursuant to 326 IAC 6.8-1-1(a), this source (located in Dubois County) is not subject to the requirements of 326 IAC 6.8 because it is not located in Lake County.

State Rule Applicability – Individual Facilities

State rule applicability has been reviewed as follows:

Blasting Units and Parts Soda Blaster

326 IAC 6.5 (PM Limitations Except Lake County)
As discussed in the State Rule Applicability - Entire Source, this source is subject to the requirements of 326 IAC 6.5.

Pursuant to 326 IAC 6.5-1-1, the twenty-nine (29) blasting units and the parts soda blaster (BLA149) are subject to the requirements of 326 IAC 6.5-1-2(a), since they are not limited in 326 IAC 6.5-1-2(b), (e), (f), (g), or (h). Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the twenty-nine (29) blasting units and the parts soda blaster (BLA149) shall not exceed 0.03 grain per dry standard cubic foot (dscf), each.

HVLP Spray Booths

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
As discussed in the State Rule Applicability - Entire Source, this source is subject to the requirements of 326 IAC 6.5.

Pursuant to 326 IAC 6.5-1-2(h), the five (5) HVLP spray booths (PTB019, PTB007, PTB018, PTB021, and PTB022) shall each be controlled by a dry particulate filter, water wash, or an equivalent control device, and the Permittee shall operate the control device in accordance with the manufacturer's specifications.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Even though these spray booths were constructed after January 1, 1980, they are not subject to the requirements of 326 IAC 8-1-6 because their unlimited VOC potential emissions are less than twenty-five (25) tons per year, each.
326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations)
Pursuant to 326 IAC 8-2-1(a)(2), the five (5) HVLP spray booths (PTB019, PTB007, PTB018, PTB021, and PTB022) are not subject to the requirements of 326 IAC 8-2-2, since the spray booths were each constructed after January 1, 1980 and have potential emissions of less than twenty-five (25) tons of VOC per year.

326 IAC 8-2-9 (Miscellaneous Metal and Plastic Parts Coating Operations)
Pursuant to 326 IAC 8-2-1(a)(4), the five (5) HVLP spray booths (PTB019, PTB007, PTB018, PTB021, and PTB022) are not subject to the requirements of 326 IAC 8-2-9, since the spray booths were each constructed after July 1, 1990 and have potential emissions of less than fifteen (15) pounds of VOC per day, each.

Direct-fired, Natural Gas-fired Space Heaters

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)
Pursuant to 326 IAC 6-2-1(e), the natural gas-fired space heaters are not subject to the requirements of 326 IAC 6-2, since this source is subject to the requirements of 326 IAC 6.5.

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
As discussed in the State Rule Applicability - Entire Source, this source is subject to the requirements of 326 IAC 6.5.

Pursuant to 326 IAC 6.5-1-1, the natural gas-fired space heaters are subject to the requirements of 326 IAC 6.5-1-2(a), since they are not fuel combustion steam generators as defined in 326 IAC 6.5-1-2(b)(3). Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the twenty-nine (29) direct-fired, natural gas-fired space heaters shall not exceed 0.03 grain per dry standard cubic foot (dscf), each.

326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)
These emission units are not subject to 326 IAC 326 IAC 7-1.1 because they each have a potential to emit sulfur dioxide (SO2) of less than 25 tons per year or 10 pounds per hour.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The natural gas-fired space heaters are not subject to the requirements of 326 IAC 8-1-6 because their unlimited VOC potential emissions are less than twenty-five (25) tons per year, each.

326 IAC 9-1 (Carbon Monoxide Emission Limits)
The requirements of 326 IAC 9-1 do not apply to the natural gas-fired space heaters, because this source does not operate a catalytic regeneration petroleum cracking system or a petroleum fluid coker, grey iron cupola, blast furnace, basic oxygen steel furnace, or other ferrous metal smelting equipment.

326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories)
The requirements of 326 IAC 10-3 do not apply to the natural gas-fired space heaters, since these units are each not a blast furnace gas-fired boiler, a Portland cement kiln, or a facility specifically listed under 326 IAC 10-3-1(a)(2).

Welding Stations and Plasma Cutting Operations

326 IAC 6.5 (Particulate Matter Limitations Except Lake County)
As discussed in the State Rule Applicability - Entire Source, this source is subject to the requirements of 326 IAC 6.5.

Pursuant to 326 IAC 6.5-1-1, the twenty (20) MIG welding stations, nine (9) TIG welding stations, one (1) sub arc welding station, and three (3) plasma cutting operation are subject to the requirements of 326 IAC 6.5-1-2(a), since they are not limited in 326 IAC 6.5-1-2(b), (e), (f), (g), or (h). Pursuant to 326 IAC 6.5-1-2(a), particulate emissions from the twenty (20) MIG welding stations, nine (9) TIG welding stations, one (1) sub arc welding station, and three (3) plasma cutting operation shall not exceed 0.03 grain per dry standard cubic foot (dscf), each.
Degreasing Units

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
Even though these degreasers were constructed after January 1, 1980, they are each not subject to the requirements of 326 IAC 8-1-6 because their unlimited VOC potential emissions are less than twenty-five (25) tons per year, each.

326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements)
Pursuant to 326 IAC 8-3-1(d)(1)(B), the following degreasers are not subject to the requirements of 326 IAC 8-3-2, since they each use solvents that contain less than one percent (1%) of VOC by weight:

(1) ADJ015 with a maximum throughput of 9 gallons per year
(2) ADJ069 with a maximum throughput of 19 gallons per year
(3) ADJ103 with a maximum throughput of 182 gallons per year
(4) CLT035 with a maximum throughput of 180 gallons per year
(5) CLT064 with a maximum throughput of 234 pounds per year
(6) CLT131 with a maximum throughput of 650 pounds per year
(7) CLT179 with a maximum throughput of 650 pounds per year
(8) CLT183 with a maximum throughput of 325 pounds per year
(9) CLT185, with a maximum throughput of 260 gallons of solvent per year.
(10) CLT186 with a maximum throughput of 300 pounds per year
(11) CLT188 with a maximum throughput of 300 pounds per year
(12) CLT190 with a maximum throughput of 650 pounds per year
(13) CLT191 with a maximum throughput of 1300 pounds per year
(14) CLT193 with a maximum throughput of 300 pounds per year
(15) CLT194 with a maximum throughput of 650 pounds per year
(16) CLT195 with a maximum throughput of 100 pounds per year
(17) CLT202 with a maximum throughput of 1300 pounds per year
(18) CLT222 with a maximum throughput of 300 pounds per year
(19) CLT231 with a maximum throughput of 650 pounds per year
(20) CLT232 with a maximum throughput of 300 pounds per year
(21) CLT242 with a maximum throughput of 650 pounds per year
(22) CLT255 with a maximum throughput of 390 pounds per year
(23) CLT275 with a maximum throughput of 325 pounds per year
(24) CLT298 with a maximum throughput of 650 pounds per year
(25) CLT299 with a maximum throughput of 1300 pounds per year
(26) CLT307 with a maximum throughput of 650 pounds per year
(27) CLT308 with a maximum throughput of 1300 pounds per year
(28) CLT311 with a maximum throughput of 600 pounds per year
(29) CLT316 with a maximum throughput of 60 pounds per year
(30) CLT324 with a maximum throughput of 325 pounds per year
(31) CLT329 with a maximum throughput of 50 pounds per year
(32) CLT367 with a maximum throughput of 208 gallons per year

Pursuant to 326 IAC 8-3-1(c)(2)(A)(ii), the degreasers ADJ073, ADJ074, ADJ105, ADJ106, CLT095, CLT157, CLT158, CLT210, CLT312, CLT341, CLT345, CLT350, CLT352, and TAN177 are subject to the requirements of 326 IAC 8-3-2, since they are each degreasers constructed after July 1, 1990, located in Dubois County, and they each use solvents that contain more than one percent (1%) of VOC by weight.

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control Equipment and Operating Requirements), the Permittee shall:

(a) Ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.
(2) Equip the degreaser with a device for draining cleaned parts.
(3) Close the degreaser cover whenever parts are not being handled in the degreaser.
(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
(6) Store waste solvent only in closed containers.
(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) Ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
(B) A water cover when solvent used is insoluble in, and heavier than, water.
(C) A refrigerated chiller.
(D) Carbon adsorption.
(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.
(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:
   (A) must be a solid, fluid stream; and
   (B) shall be applied at a pressure that does not cause excessive splashing.

326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers)
Pursuant to 326 IAC 8-3-1(d)(2)(C), the following degreasers are not subject to the requirements of 326 IAC 8-3-8, since they each use solvents that contain less than one percent (1%) of VOC by weight and are not located in Clark, Floyd, Lake, or Porter County:

(1) ADJ015 with a maximum throughput of 9 gallons per year
(2) ADJ069 with a maximum throughput of 19 gallons per year
(3) ADJ103 with a maximum throughput of 182 gallons per year
(4) CLT035 with a maximum throughput of 180 gallons per year
(5) CLT064 with a maximum throughput of 234 pounds per year
(6) CLT131 with a maximum throughput of 650 pounds per year
(7) CLT179 with a maximum throughput of 650 pounds per year
(8) CLT183 with a maximum throughput of 325 pounds per year
(9) CLT185, with a maximum throughput of 260 gallons of solvent per year.
(10) CLT186 with a maximum throughput of 300 pounds per year
(11) CLT188 with a maximum throughput of 300 pounds per year
(12) CLT190 with a maximum throughput of 650 pounds per year
(13) CLT191 with a maximum throughput of 1300 pounds per year
(14) CLT193 with a maximum throughput of 300 pounds per year
(15) CLT194 with a maximum throughput of 650 pounds per year
(16) CLT195 with a maximum throughput of 100 pounds per year
(17) CLT202 with a maximum throughput of 1300 pounds per year
(18) CLT222 with a maximum throughput of 300 pounds per year
(19) CLT231 with a maximum throughput of 650 pounds per year
(20) CLT232 with a maximum throughput of 300 pounds per year
(21) CLT242 with a maximum throughput of 650 pounds per year
(22) CLT255 with a maximum throughput of 390 pounds per year
(23) CLT275 with a maximum throughput of 325 pounds per year
(24) CLT298 with a maximum throughput of 650 pounds per year
(25) CLT299 with a maximum throughput of 1300 pounds per year
(26) CLT307 with a maximum throughput of 650 pounds per year
(27) CLT308 with a maximum throughput of 1300 pounds per year
(28) CLT311 with a maximum throughput of 600 pounds per year
(29) CLT316 with a maximum throughput of 60 pounds per year
(30) CLT324 with a maximum throughput of 325 pounds per year
(31) CLT329 with a maximum throughput of 50 pounds per year
(32) CLT367 with a maximum throughput of 208 gallons per year

Pursuant to 326 IAC 8-3-1(c)(3)(B), the degreasers ADJ073, ADJ074, ADJ105, ADJ106, CLT095, CLT157, CLT158, CLT210, CLT312, CLT341, CLT345, CLT350, CLT352, and TAN177 are subject to the requirements of 326 IAC 8-3-8, since cold cleaner degreasers using solvent containing more than one percent (1%) of VOC by weight, are in operation after January 1, 2015, and are located in Dubois County.

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaning degreaser with a solvent that has a VOC composite partial vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

**Compliance Determination and Monitoring Requirements**

There are no compliance requirements applicable to this source.

**Conclusion and Recommendation**

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on August 9, 2019. Additional information was received on January 6, 2020.

The construction of this proposed revision shall be subject to the conditions of the attached proposed New Source Review and MSOP Renewal No. M037-41777-00124.

The operation of this stationary transmissions and related components manufacturing plant shall be subject to the conditions of the attached proposed MSOP Renewal No. M037-41777-00124.

The staff recommends to the Commissioner that the New Source Review and MSOP Renewal be approved.
(a) If you have any questions regarding this permit, please contact Natalie Moore, Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251, or by telephone at (317) 233-8279 or (800) 451-6027, and ask for Natalie Moore or (317) 233-8279.

(b) A copy of the findings is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/

(c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: http://www.in.gov/idem/airquality/2356.htm; and the Citizens’ Guide to IDEM on the Internet at: http://www.in.gov/idem/6900.htm.
Appendix A: Emissions Calculations

Emissions Summary

Company Name: Jasper Engine Exchange, Inc. - Branch #70
Source Address: 1220 Power Drive, Jasper, Indiana 47547
Permit No.: M037-41777-00124
Reviewer: Natalie Moore

Uncontrolled/Unlimited Potential to Emit

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<th>NOx</th>
<th>VOC</th>
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<tr>
<td>Total</td>
<td>87.23</td>
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Uncontrolled/Unlimited Potential to Emit

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<th>Emission Units</th>
<th>PM</th>
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<th>PM2.5</th>
<th>SO2</th>
<th>NOx</th>
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<th>CO</th>
<th>Total HAPs</th>
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Appendix A: Emissions Calculations

Blasting

Company Name: Jasper Engine Exchange, Inc. - Branch #70
Source Address: 1220 Power Drive, Jasper, Indiana 47547
Permit No.: M037-41777-00124
Reviewer: Natalie Moore

<table>
<thead>
<tr>
<th>Unit ID</th>
<th>Control Unit ID</th>
<th>Blast Media</th>
<th>Blast Rate (lb/hr)</th>
<th>Emission Factor PM (lb/lb blast media)</th>
<th>Uncontrolled PTE (tons/year)</th>
<th>PM PM10 / PM2.5</th>
<th>Control Efficiency</th>
<th>Controlled PTE (tons/year)</th>
<th>PM PM10 / PM2.5</th>
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<tr>
<td>BLA097</td>
<td>DUC097</td>
<td>coal slag (Black Beauty)</td>
<td>182</td>
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<td>0.005</td>
<td>0.005</td>
<td>0.005</td>
</tr>
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</table>

Methodology

Blast rate (lb/hr) was provided by the applicant

There are no emission factors for PM2.5. Therefore, assume PM10 = PM2.5.

Uncontrolled PTE (PM tons/year) = Blast Rate (lb/hr) x PM Emission Factor (lb/lb blast media) x (8760 hr/yr) x (1 ton/2000 lb)

Uncontrolled PTE (PM tons/year) = Controlled PTE (PM tons/year) + Uncontrolled PTE PM (tons/year) x PM10 Emission Factor (lb/lb PM)

Controlled emission factor for PM10 = Controlled PM Emission Factor (lb/lb PM) x (1 - Control Efficiency)

Pursuant to 326 IAC 6.5-1-2(a), particulate matter emissions from each of the blasting units shall not exceed seven hundredths (0.07) gram per dry standard cubic meter (g/dscm) (three-hundredths (0.03) gram per dry standard cubic foot (dscf)).

Methodology

Potential PM Grain Loading Before Control (grain/dscf) = Uncontrolled PM PTE (tons/yr) x (2000 lbs/ton) x (1 yr / 8760 hrs) x (1 / flow rate in acfm) x (1 hr / 60 min) x (7000 grains/lb)

Potential PM Grain Loading After Control (grain/dscf) = Controlled PM PTE (tons/yr) x (2000 lbs/ton) x (1 yr / 8760 hrs) x (1 / flow rate in acfm) x (1 hr / 60 min) x (7000 grains/lb)
## Natural Gas Combustion Only

### Emissions Calculations

- **Company Name:** Jasper Engine Exchange, Inc. - Branch #70
- **Source Address:** 1220 Power Drive, Jasper, Indiana 47547
- **Permit No.:** M037-41777-00124
- **Reviewer:** Natalie Moore

### Emission Unit

<table>
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<tr>
<th>Emission Unit</th>
<th>Heat Input Capacity (MMBTU/hr)</th>
<th>Potential Throughput (MMCF/yr)</th>
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</thead>
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<td>ACH700</td>
<td>0.13</td>
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<tr>
<td>ACH701</td>
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</tr>
<tr>
<td>ACH702</td>
<td>0.25</td>
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</tr>
<tr>
<td>ACH703</td>
<td>0.06</td>
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</tr>
<tr>
<td>ACH704</td>
<td>0.25</td>
<td></td>
</tr>
<tr>
<td>ACH706</td>
<td>0.060</td>
<td></td>
</tr>
<tr>
<td>ACH708</td>
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</tr>
<tr>
<td>ACH709</td>
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<td>HTR726</td>
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</table>

**Total:** 11.574

### Methodology

- **All emission factors are based on normal firing.**
- **MMBtu = 1,000,000 Btu**
- **MMCF = 1,000,000 Cubic Feet of Gas**
- **Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03**
- **Potential Throughput (MMCF) = Heat Input Capacity (MMBTU/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu**
- **Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton**

### HAPs Calculations

**Organics**

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<thead>
<tr>
<th>Pollutant</th>
<th>Emission Factor in lb/MMCF</th>
<th>Potential Emission in tons/yr</th>
</tr>
</thead>
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<td>PM</td>
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<td>0.09</td>
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<tr>
<td>PM10*</td>
<td>7.6</td>
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</tr>
<tr>
<td>PM2.5**</td>
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<td>0.38</td>
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<tr>
<td>SO2</td>
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<td>VOC</td>
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<td>CO</td>
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**Metals**

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<th>Pollutant</th>
<th>Emission Factor in lb/MMCF</th>
<th>Potential Emission in tons/yr</th>
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</thead>
<tbody>
<tr>
<td>Lead</td>
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<tr>
<td>Cadmium</td>
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<td>Chromium</td>
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**Worst HAP:** 0.09

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.
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<th>Material Name</th>
<th>Material Product #</th>
<th>Process</th>
<th>VOD Content</th>
<th>Maximum Usage (units/year)</th>
<th>Maximum Usage Unit</th>
<th>Potential VOC (TPY)</th>
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<td>5 lbs</td>
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<td>6605, 6616 Solvent Tank</td>
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<td>pounds per gallon</td>
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<td>520 gal</td>
<td>1.74</td>
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<tr>
<td>6605, 6616 Solvent Tank</td>
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<td>pounds per gallon</td>
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<td>520 gal</td>
<td>1.74</td>
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<td>6605, 6616 Solvent Tank</td>
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<td>pounds per gallon</td>
<td>6.70</td>
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<td>6605, 6616 Solvent Tank</td>
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<td>520 gal</td>
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<tr>
<td>6605, 6616 Solvent Tank</td>
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<td>pounds per gallon</td>
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<td>520 gal</td>
<td>1.74</td>
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<tr>
<td>6605, 6616 Solvent Tank</td>
<td>6605, 6616</td>
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<td>6.70</td>
<td>520 gal</td>
<td>1.74</td>
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<td>6.70</td>
<td>520 gal</td>
<td>1.74</td>
<td></td>
</tr>
</tbody>
</table>

Methodology

VOC content obtained from the MSDS for each degreaser. According to the MSDS, Safety-Kleen Premium Solvent may contain detectable amounts of the following HAPs: benzene, toluene, ethylbenzene, naphthalene, and p-dichlorobenzene. Otherwise, according to the MSDS, the degreasers listed above contain no HAPs.

Potential VOC (TPY) = maximum usage × VOC content / 2000 lbs per ton

* 326 IAC 8-3-2 and 326 IAC 8-3-8 Applicability

Pursuant to 326 IAC 8-3-1(d)(1)(B), 326 IAC 8-3-2 does not apply to solvents containing less than one percent (1%) VOC by weight used in degreasers that are not located in Clark, Floyd, Lake, or Porter County. Therefore, these degreasers are not subject to 326 IAC 8-3-2 and 326 IAC 8-3-8.
<table>
<thead>
<tr>
<th>Material</th>
<th>Density (lbs/gal)</th>
<th>Weight % Volatile (water, VOC, and exempt compounds*)</th>
<th>Weight % VOC</th>
<th>Volume % water and exempt compounds</th>
<th>Volume % Solids</th>
<th>Maximum Material Usage (gal/unit)</th>
<th>Maximum Capacity (units/hour)</th>
<th>Pounds VOC per gallon of coating less water and exempt compounds</th>
<th>Pounds VOC per gallon of coating</th>
<th>PTE of VOC (lbs/hour)</th>
<th>PTE of VOC (lbs/day)</th>
<th>PTE of VOC (tons/year)</th>
<th>Uncontrolled PTE of PM/PM10/PM2.5 (tons/year)</th>
<th>Pounds VOC per gallon of coating solids</th>
<th>Transfer Efficiency</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTB019 Transaxle Paint Booth</td>
<td>9.27</td>
<td>55.85%</td>
<td>56.50%</td>
<td>3.56%</td>
<td>30.46%</td>
<td>28.00</td>
<td>4.00</td>
<td>3.840</td>
<td>0.040</td>
<td>15.00</td>
<td>14.40</td>
<td>0.037</td>
<td>1.94</td>
<td>0.04</td>
<td>1.94</td>
</tr>
<tr>
<td>PTB007 Connector Paint Booth</td>
<td>9.27</td>
<td>55.85%</td>
<td>56.50%</td>
<td>3.56%</td>
<td>30.46%</td>
<td>28.00</td>
<td>4.00</td>
<td>3.840</td>
<td>0.040</td>
<td>15.00</td>
<td>14.40</td>
<td>0.037</td>
<td>1.94</td>
<td>0.04</td>
<td>1.94</td>
</tr>
<tr>
<td>PTB018 Differential Paint Booth</td>
<td>8.83</td>
<td>54.66%</td>
<td>51.62%</td>
<td>3.90%</td>
<td>41.83%</td>
<td>30.00</td>
<td>4.00</td>
<td>3.840</td>
<td>0.040</td>
<td>15.00</td>
<td>14.40</td>
<td>0.037</td>
<td>1.94</td>
<td>0.04</td>
<td>1.94</td>
</tr>
<tr>
<td>PTB021 Connector Paint Booth</td>
<td>9.27</td>
<td>55.85%</td>
<td>56.50%</td>
<td>3.56%</td>
<td>30.46%</td>
<td>28.00</td>
<td>4.00</td>
<td>3.840</td>
<td>0.040</td>
<td>15.00</td>
<td>14.40</td>
<td>0.037</td>
<td>1.94</td>
<td>0.04</td>
<td>1.94</td>
</tr>
<tr>
<td>PTB022 DPF Paint Booth</td>
<td>9.27</td>
<td>55.85%</td>
<td>56.50%</td>
<td>3.56%</td>
<td>30.46%</td>
<td>28.00</td>
<td>4.00</td>
<td>3.840</td>
<td>0.040</td>
<td>15.00</td>
<td>14.40</td>
<td>0.037</td>
<td>1.94</td>
<td>0.04</td>
<td>1.94</td>
</tr>
<tr>
<td>TS2P3A42042-4311 &amp; V66 VC 232 (5:1)</td>
<td>8.69</td>
<td>38.22%</td>
<td>0.00%</td>
<td>38.22%</td>
<td>0.00%</td>
<td>55.77%</td>
<td>0.030</td>
<td>1.00</td>
<td>0.720</td>
<td>3.17</td>
<td>2.77</td>
<td>1.98</td>
<td>0.56</td>
<td>0.08</td>
<td>0.08</td>
</tr>
<tr>
<td>TS2P3A42042-4311 &amp; V66 VC 232 (5:1)</td>
<td>8.69</td>
<td>38.22%</td>
<td>0.00%</td>
<td>38.22%</td>
<td>0.00%</td>
<td>55.77%</td>
<td>0.030</td>
<td>1.00</td>
<td>0.720</td>
<td>3.17</td>
<td>2.77</td>
<td>1.98</td>
<td>0.56</td>
<td>0.08</td>
<td>0.08</td>
</tr>
<tr>
<td>ESSS0000/EES2001/EES0010 (6:1:1)</td>
<td>10.32</td>
<td>49.60%</td>
<td>28.00%</td>
<td>21.60%</td>
<td>31.70%</td>
<td>33.50%</td>
<td>0.030</td>
<td>1.00</td>
<td>0.720</td>
<td>2.51</td>
<td>2.36</td>
<td>1.07</td>
<td>1.80</td>
<td>0.30</td>
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<tr>
<td>Totals</td>
<td>28.56</td>
<td>0.64</td>
<td>15.27</td>
<td>2.79</td>
<td>7.56</td>
<td>35.56</td>
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</tr>
</tbody>
</table>

**Methodology**

*Exempt compounds include all compounds specifically exempted from the definition of volatile organic compounds (VOC) under 40 CFR 51.100(s).*

Weight % VOC = (Weight % Volatile (water, VOC and exempt Compounds)) - (Weight % water and exempt Compounds)  

Maximum Material Usage (gal/unit) = [Maximum Material Usage (gal/unit)]  

Pounds of VOC per gallon coating less water and exempt Compounds = [Density (lbs/gal)] * [Weight % VOC] * (1 - Volume % water and exempt Compounds)  

PTE of VOC (lbs/hour) = [Maximum Material Usage (gal/unit)] * [Maximum Capacity (units/hour)] * [Pounds of VOC per gallon coating]  

PTE of VOC (lbs/day) = [PTE of VOC (lbs/hour)] * [24 hours/day]  

PTE of VOC (tons/year) = [PTE of VOC (lbs/day)] * [8760 hours/year]  

Uncontrolled PTE of PM/PM10/PM2.5 (tons/year) = [Density (lbs/gal)] * [Maximum Material Usage (gal/unit)] * [Maximum Capacity (units/hour)] * (1 - Weight % Volatile) * (1 - Transfer Efficiency) * (1 ton/2000 lbs)  

Pounds VOC per gallon of coating solids = [Density (lbs/gal)] * [Weight % VOC] * [Volume % Solids]  

Controlled PTE of PM/PM10/PM2.5 (tons/year) = [Uncontrolled PTE of PM/PM10/PM2.5 (tons/year)] * [1 - Control Efficiency]  

Control Efficiency = 85.8%  

Total Controlled Potential to Emit (PTE) (tons/year) = 4.76
Appendix A: Emissions Calculations
Hazardous Air Pollutants (HAPs)
From Surface Coating Operations

Company Name: Jasper Engine Exchange, Inc. - Branch #70
Source Address: 1220 Power Drive, Jasper, Indiana 47547
Permit No.: M037-41777-00124
Reviewer: Natalie Moore

Hazardous air pollutant (HAP) is defined by Section 112(b) of the Clean Air Act.

<table>
<thead>
<tr>
<th>Material</th>
<th>Density (lbs/gal)</th>
<th>Maximum Material Usage (gal/unit)</th>
<th>Maximum Capacity (units/hour)</th>
<th>Weight % Xylene</th>
<th>Weight % Methyl Isobutyl Ketone</th>
<th>Weight % Ethylbenzene</th>
<th>Weight % Hexamethylene diisocyanate</th>
<th>PTE of Xylene (tons/year)</th>
<th>PTE of Methyl Isobutyl Ketone (tons/year)</th>
<th>PTE of Ethylbenzene (tons/year)</th>
<th>PTE of Hexamethylene diisocyanate (tons/year)</th>
<th>PTE of Total HAPs (tons/year)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PTB019 Transmission Paint Booth</td>
<td>9.27</td>
<td>0.040</td>
<td>15.00</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
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<td>0.00</td>
</tr>
<tr>
<td>Jasper Satin Grey #5671</td>
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</tr>
<tr>
<td>PTB007 Converter Paint Booth</td>
<td>9.27</td>
<td>0.010</td>
<td>20.00</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
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<tr>
<td>Jasper Satin Grey #5671</td>
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</tr>
<tr>
<td>PTB018 Differential Paint Booth</td>
<td>8.63</td>
<td>0.040</td>
<td>4.00</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
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<td>0.00</td>
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<tr>
<td>Jasper Satin Black #5651</td>
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<td></td>
</tr>
<tr>
<td>PTB021 Converter Paint Booth</td>
<td>9.27</td>
<td>0.010</td>
<td>20.00</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PTB022 SD Paint Booth</td>
<td>7.95</td>
<td>0.030</td>
<td>1.00</td>
<td>0.03%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.04</td>
<td>2.93E-04</td>
<td>0.00</td>
<td>0.00</td>
<td>5.86E-04</td>
</tr>
<tr>
<td>ES98800E0H200ESX010 (6:1:1)</td>
<td>10.32</td>
<td>0.030</td>
<td>1.00</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
<td>0.00</td>
</tr>
</tbody>
</table>

Methodology
PTE of HAP (tons/year) = [Density (lbs/gal)] * [Maximum Material Usage (gal/unit)] * [Maximum Capacity (units/hour)] * [Weight % HAP] * [8760 hours/year] * [1 ton/2000 lbs]
PTE of Total HAPs (tons/year) = SUM (PTE of Each Single HAP (tons/year))

Total HAPs:

- Xylene
- Methyl Isobutyl Ketone
- Ethylbenzene
- Hexamethylene diisocyanate

Hazardous air pollutant (HAP) is defined by Section 112(b) of the Clean Air Act.
### Appendix A: Emissions Calculations

#### Welding and Thermal Cutting

**Company Name:** Jasper Engine Exchange, Inc. - Branch #70  
**Source Address:** 1220 Power Drive, Jasper, Indiana 47547  
**Permit No.:** M037-41777-00124  
**Reviewer:** Natalie Moore

<table>
<thead>
<tr>
<th>PROCESS</th>
<th>Number of Stations</th>
<th>Max. electrode consumption per station (lbs/hr)</th>
<th>EMISSION FACTORS (lb pollutant/lb electrode)</th>
<th>EMISSIONS (lbs/hr)</th>
<th>HAPS (lbs/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELDING</td>
<td></td>
<td></td>
<td>PM = PM10 Mn Ni Cr</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Submerged Arc</td>
<td>1</td>
<td>9</td>
<td>0.036 0.011</td>
<td>0.324 0.099 0 0</td>
<td>0.099</td>
</tr>
<tr>
<td>Metal Inert Gas (MIG)(carbon steel)</td>
<td>20</td>
<td>9</td>
<td>0.0055 0.0005</td>
<td>0.990 0.090 0 0</td>
<td>0.090</td>
</tr>
<tr>
<td>Tungsten Inert Gas (TIG)(carbon steel)</td>
<td>9</td>
<td>0.03</td>
<td>0.0055 0.0005</td>
<td>0.001 1.3E-04 0 0</td>
<td>1.33E-04</td>
</tr>
<tr>
<td>Tungsten Inert Gas (TIG)(carbon steel)</td>
<td>1</td>
<td>1.50</td>
<td>0.0055 0.0005</td>
<td>0.008 0.001 0 0</td>
<td>0.001</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FLAME CUTTING</th>
<th>Number of Stations</th>
<th>Max. Metal Thickness Cut (in.)</th>
<th>Max. Metal Cutting Rate (in./minute)</th>
<th>EMISSION FACTORS (lb pollutant/1,000 inches cut, 1&quot; thick)**</th>
<th>EMISSIONS (lbs/hr)</th>
<th>HAPS (lbs/hr)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plasma**</td>
<td>3</td>
<td>0.75</td>
<td>1</td>
<td>0.0039</td>
<td>1.32 0.19 0 0</td>
<td>0.19</td>
</tr>
</tbody>
</table>

#### EMISSION TOTALS

- Potential Emissions lbs/hr: 31.78 4.56 0 0 4.56
- Potential Emissions lbs/day: 754.72 109.04 0 0 109.04
- Potential Emissions tons/year: 5.80 0.83 0 0 0.83

**Methodology:**

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

**Emission Factor for plasma cutting from American Welding Society (AWS). Trials reported for wet cutting of 8 mm thick mild steel with 3.5 m/min cutting speed (at 0.2 g/min emitted). Therefore, the emission factor for plasma cutting is for 8 mm thick rather than 1 inch, and the maximum metal thickness is not used in calculating the emissions.

Using AWS average values: (0.25 g/min)/(3.6 m/min) x (0.0022 lb/g)/(39.37 in./m) x (1,000 in.) = 0.0039 lb/1,000 in. cut, 8 mm thick

Plasma cutting emissions, lb/hr: (# of stations)(max. cutting rate, in./min.)(60 min./hr.) x (emission factor, lb. pollutant/1,000 in. cut, 8 mm thick)

Cutting emissions, lb/hr: (# of stations)(max. metal thickness, in.)(max. cutting rate, in./min.)(60 min./hr.) x (emission factor, lb. pollutant/1,000 in. cut, 1" thick)

Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr)(station emission factor, lb. pollutant/lb. of electrode used)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.
February 4, 2020

Mr. Benjamin Schwenk  
Jasper Engine Exchange, Inc. – Branch #70  
P.O. Box 650  
Jasper, Indiana  47547

Re: Public Notice  
Jasper Engine Exchange, Inc. – Branch #70  
Permit Level: MSOP Renewal with Minor NSR  
Permit Number: 037-41777-00124

Dear Mr. Schwenk:

Enclosed is a copy of your draft MSOP Renewal with Minor New Source Review, Technical Support Document, emission calculations, and the Public Notice.

The Public Notice period will begin the date the Notice is published on the IDEM Official Public Notice website. Publication has been requested and is expected within 2-3 business days. You may check the exact Public Notice begins and ends date here:  https://www.in.gov/idem/5474.htm

Please note that as of April 17, 2019, IDEM is no longer required to publish the notice in a newspaper.

OAQ has submitted the draft permit package to the Jasper-Dubois County Public Library, 1116 Main Street in Jasper, Indiana. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Natalie Moore, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 3-8279 or dial (317) 233-8279.

Sincerely,

John F. Jackson

John F. Jackson  
Permits Branch  
Office of Air Quality

Enclosures

PN Applicant Cover Letter 4/12/19
February 4, 2020

To:   Jasper-Dubois County Public Library

From: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

Subject: Important Information to Display Regarding a Public Notice for an Air Permit

Applicant Name: Jasper Engine Exchange, Inc. – Branch #70
Permit Number: 037-41777-00124

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. Please make this information readily available until you receive a copy of the final package.

If you have any questions concerning this public review process, please contact Joanne Smiddle-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures
PN Library updated 4/2019
Notice of Public Comment

February 4, 2020
Jasper Engine Exchange, Inc. – Branch #70
037-41777-00124

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has posted on IDEM’s Public Notice website at https://www.in.gov/idem/5474.htm.

The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana’s Air Permitting Program.

Please Note: If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at PPEAR@IDEM.IN.GOV. If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.

Enclosure
PN AAA Cover Letter  4/12/2019
**Mail Code 61-53**

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<th>JJACKSON 2/4/2020</th>
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<tr>
<td>Name and address of Sender</td>
<td>Jasper Engine Exchange Inc - Branch #70 037-41777-00124 (DRAFT)</td>
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<td>Mr. Alec Kalla 8733 W. Summit Circle Drive French Lick IN 47432 (Affected Party)</td>
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<td>DuBois County Health Department 1187 S. Charles Street Jasper IN 47546 (Health Department)</td>
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<td>John Blair 800 Adams Ave Evansville IN 47713 (Affected Party)</td>
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